



Inbrottslarm K8000 Installtion och Programmering

KS8000 RF Control Panel - System Overview

- 8 Wireless Zones plus Separate Wireless Panic Zone operating on 868MHz
- Hard Wired input (Zone 2) for wired sensors
- Zones 1 – 4 can be programmed at either Entry/Exit Zones or Intermediate Zones
- Zones 5 – 8 can be programmed as either Instant Zones or 24H/Fire Zones
- All Wireless Sensors will send a Low Battery Signal. Flashing LED indicates low battery on Remote Control
- All Wireless Sensors will send a Tamper Signal
- Programmable ON/OFF RF Anti-Jam Detection
- 4 different User Codes
- 5 event memory accessible via Master Code (User Code 1)
- Full Guard and Part Guard (Zones Bypassed) Arming Options
- Arm/Disarm using built-in keypad, Remote Control or Key Switch
- Panic feature on Remote Control
- Built-in Speaker
- Output for up to 2 additional 16 Ohm Speakers
- Two separate relay outputs (Alarm and Panic) for add-on dialler etc
- Switched 12V output — active when Panel is armed in Full Guard mode
- SAB and Strobe Outputs

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Zone Terminology

Entry/Exit Zone — This is a, **Perimeter-Delayed** zone, which has an **Entry/Exit Delay**. Triggering this zone during the exit delay will not cause an alarm. Triggering this zone, when the system is armed will start the **Entry Delay** [Default Setting — **Zone 1**].

Intermediate Zone — This is an interior zone, which provides an entry/exit delay in certain circumstances. Triggering this zone during the exit delay will not cause an alarm. Similarly, triggering this zone, when the system is armed after an **Entry/Exit Zone** has first been activated, will not cause an alarm. However, if, when the system is armed, an intermediate zone is triggered first then it will operate as an Instant Zone [Default Setting — **Zones 2 – 4**].

Instant Zone — This is a perimeter or interior zone, which will activate immediately when the system is armed [Default Setting — **Zones 5 – 7**]

24H/Fire Zone — This is a 24-hour emergency zone, which will activate immediately, even when the system is Disarmed. Use such zones for smoke detectors, secure rooms etc [Default Setting — **Zone 8**].

Panic/PA Zone — This is a 24-hour emergency zone, which will activate immediately, even when the system is **Disarmed**. Activate this zone by pushing the **PA Button** on the **Remote Control** together with one of the other buttons (Both buttons must be pushed at the same time). Once activated the panel can only be turned **OFF** at the keypad unless it has been selected as **OFF**.

Bypassed Zone — If a zone is bypassed, it means it will not activate when the system is armed in **Part Guard** [Default Setting — **Zones 6 – 7** bypassed in **Part Guard**].

Omitted Zone — If a zone is omitted, it means it will not operate at all. [Default Setting — **No zones omitted**].

Door Chime Zone - Zones 1 – 8 can be selected to **Chime** each time they are activated [Default Selecting — **No zones**].

Double Knock Zone — A zone selected as being **Double Knock** will only activate if it is tripped twice during a 30 second period. Selects which zones are double knock. **24H/Fire Zones** cannot be selected as double knock [Default Setting — **No zones are Double Knock Zones**].

Cross Zone Detect—If the panel has been programmed for cross zone detect as being ON), then the panel will only activate once two separate zones have been activated. **24H/Fire Zones** cannot be selected as **Double Knock** [Default Setting — **Cross Zone detector not selected**].

N.B

If Cross Zone Detect and a Zone have been programmed as double knock, then both features will take precedent over each other. That means that if Zone 3 is a double knock zone, it will activate after two triggers, even though no other zone has been triggered as well. Likewise, the alarm will activate if Zone 3 plus another zone are triggered and not wait for two knocks on Zone 3.

Installation Requirements

1. Plan where the panel and the various sensors are going to be installed.
2. Power the panel-up
3. Programme the panel
4. Make the hard-wired connections to the input output terminal strip inside the panel
5. Test the System.
6. Trouble Shooting

Planning the location of the system

Panel — The panel should be sited in an area with easy access to the final exit door and from where the entry/exit tones can be heard. Make sure that the panel is close to a mains electricity supply and in a location where a wired external Bel/Strobe can be easily installed (if required). Ensure the panel is not mounted on/close to electronic or electrical devices that give off electromagnetic interference (fridges/TV's etc) as this could affect the systems RF performance. The panel should normally be within 30 metres of all wireless sensors.

Wireless PIR Detector — The PIR should be mounted 2 m from the floor to obtain optimum protection coverage. Avoid direct sunlight, hot/cold air currents and locating the device on a metal surface.

Wireless Door/Window Contact — The device contains 2 parts — the detector and the magnet. Always fit the magnet on the leading edge of the door/window. The detector should be fitted to the doorframe.

There should be no more than a 8mm gap between the detector and the magnet when closed. Do not locate the detector on a metal surface.

Powering up the Panel

Open the Panel by carefully removing the two plastic lugs on the front cover. Use a Phillips screwdriver for the two screws behind the lugs. A qualified electrician should connect 230-240V from a fused spur to the panel's fused terminal block. Connect a 1.2 Ah 12V rechargeable battery to the red and black terminals for back-up power. Immediately power is connected, the panels tamper alarm will activate. Silence this by entering the code (Default 1111) (Or the subsequently programmed User Master Code).

Test the System

Test the System for:

- a). Correct performance of the sensors
- b). RF range between the sensors and the panel

We recommend that you put the panel into **Walk Test** for these system tests.

Arming and Disarming the System

To **Arm the Panel** enter a **4 digit User Code** followed by either of the keys **Full** or **Part**.

Zones that have been selected as bypassed will not operate in the **Part Guard Mode**.

Alternative arming methods are to press the **Part Guard** or **Full Guard** Symbols on the **Remote control** or to use the momentary trigger inputs on the panel's pcb.

N.B.

The panel will not arm if the "Tamper" LED is lit. Press the Reset key first, before arming.

The Panel will beep during the exit delay. These tones will speed up for the last 10 seconds. Three long beeps will indicate that the panel is armed.

To **Disarm** the Panel or turn the alarm off at any time, enter a **4 digit User Code**. Alternative methods are to press the **Disarm Symbol** on the **Remote control** or to use the momentary trigger input on the panel's pcb. One long beep will indicate that the panel is disarmed and that there has not been alarm. Two long beeps indicate that there has been an alarm.

Programme the Panel

The panel will be shipped from the factory with standard default settings. The object of these settings is to minimise the amount of programming required. Nevertheless, a certain amount of programming will be necessary. Use the **User Master Code** (Default 1111) and the **Installer Code** (Default 9999) to enter the different. *Section User programming.*

User Master Code (Default 1111) - Use to **Arm/Disarm** the panel. Also use to programme certain programming sections **User Codes 2** (Default 1234) — Use to **Arm/Disarm** the panel only.

User Codes 3 & 4 (No codes programmed as default — Use to **Arm/Disarm** the panel only. Useful to give as temporary codes to guests or staff.

Installer Code (Default 9999) — Use to programme certain programming sections.

Special Panel Functions

Keypad Anti-scan — If four wrong 4 digit codes are entered, then the keypad will lock-out for one minute.

RF Anti-Jam Detect (Selectable **ON/OFF** in — If this feature is selected as **ON** (default **OFF**), then the anti-jam detect will operate in two stages.

Stage 1: If RF (radio frequency) interference is detected for a continuous 30-second period, then the tamper LED will illuminate plus all the Zone LEDs will start flashing

Stage 2: If RF interference is detected for a continuous 3-minute period, then the alarm will also activate

Sensor Low Battery — If a sensor has a low battery, then the **LB LED** will illuminate plus the **Zone LED** in which that sensor is located. Press the **Reset** key to stop the LED flashing.

Sensor Tamper — If a sensor has a tamper activation, then the alarm will sound and the **Tamper LED** will illuminate plus the **Zone LED** in which that sensor is located. Enter a 4-digit code to stop the alarm and press **Reset** to extinguish the LED.

Installer Programming Option — Allows you to select whether you wish just the internal speaker + external speaker to activate on a tamper signal in **Part Guard** or **Disarmed Modes** or whether you wish all panel outputs to activate.

Panel Tamper — If the front panel cover is removed, the alarm will sound. Enter a 4-digit code to stop the alarm and press the **Reset** key to extinguish the **Tamper LED**. The panel cannot be armed until this is done.

Keypad Backlighting — A jumper on the panel pcb selects whether the **Keypad Backlighting** is **ON** or **OFF**. Removal of the jumper means backlighting is **OFF**.

Keypad Beep Volume — This is increased/decreased by rotating the potentiometer on the panel pcb.

Hardwired Zone — **Zone 2** can also be utilised as a hardwired zone (even if it is already being used as a wireless zone). Remove the link from the two terminals marked **Zone 2** on the panel's terminal block and connect the + and — wires from the sensor. If **Zone 2** is not being used as a hardwired zone, be sure to keep the link in place.

User Programming (Default User Master Code is 1111)

Whilst the panel is in the **OFF** mode, enter the **User Master Code** [Default Setting 1111], then press **Prog**. The **PART & FULL LED** will flash to indicate the panel is in **User Programming Mode**.

Press a **Key 1 – 8** to enter the corresponding programme option as listed below, enter the change and press **Conf** to confirm it. The Panel will **Beep Twice** to indicate the change has been accepted and beep four times to indicate a rejection.

The Panel will then remain in the programming mode. Enter another key to enter a different section or press **Prog** to exit.

Press **Reset** at any time during programming to cancel a keystroke.

Press **Prog** at any time during programming to exit programming and switch the panel back to the **OFF** mode.

7. **User Master Code/User Code 1** (4 digits — 1111 is Default Setting).
Press **1**, enter a new 4 digit **Master Code**, press **Conf**.

8. **User Code 2** (4 digits —1234 is Default Setting).
Press **2**, enter a new 4 digit **User Code 2**, press **Conf**.
9. **User Code 3** (4 digits — no Default Setting).
Press **3**, enter a new 4 digit **User Code 3**, press **Conf**.
10. **User Code 4** (4 digits — no Default Setting).
Press **4**, enter a new 4 digit **User Code 4**, press **Conf**

N.B.

If a code is already in the panel and you try to enter that code as a "new code", then the panel will reject it as a new code and beep four times. Therefore do NOT try to enter 1111, 1234 or 9999 as new codes as these are already panel default codes.

11. **Bell/Siren and Strobe Test**
Press **5**, the **Bell** will activate for 20 seconds, followed by the **Strobe**. Press **Conf**, whilst the **Bell** is sounding to proceed directly to the Strobe test.
12. **Door Chime Zones** (Default Setting - No zones selected)
Press **6**, enter the corresponding number keys **1 – 8** to select desired zone/s, press **Conf**.
The corresponding **Zone LED** will turn **ON** for a Zone selected as a Chime Zone **OFF** for **NOT** selected.

N.B.

The noise level of the Chime can be adjusted via the potentiometer on the panel pcb.

13. **Bypass a Zone** (Default Setting — Zones 6 and 7 Bypassed).
Press **7**, enter the corresponding number keys **1 – 8** to select desired zone/s, press **Conf**.
The corresponding **Zones LED** will turn on.
 - **ON** for a Zone selected as a **Bypasses Zone**.
 - **OFF** for a Zone **NOT** selected.
14. **Omit a Zone** (Default Setting — No Zone selected).
Press **8**, enter the corresponding number keys **1-8** to select desired zone/s, press **Conf**.
The corresponding **Zone LED** will turn:
 - **ON** for a Zone selected as Omitted.
 - **OFF** for **NOT** selected.

N.B.

Once all Programming has been completed, don't forget to enter Prog to exit the programming mode. If the PART and FULL LEDs are flashing, then you are still in the programming mode. If only the AC LED is lit or NO LED is lit (battery power only) you are no longer in the programming mode.

Installer Programming Sections 1 — 8 (Default Installer Code is 9999)

Whilst the panel is in the **OFF** mode (AC LED ON only), enter the "Installer Code" [Default Setting 9999], then press **Prog**. The **PART & FULL LED** will flash to indicate the panel is in **Installer Programming Mode**.

Press a key to enter the corresponding programme option, enter the required change and press **Conf** to confirm it. The Panel will **Beep Twice** to indicate the change has been accepted and beep **four times** to indicate a rejection. The panel will then remain in the programming mode. Enter another Key to enter a different section or **Prog** to exit.

Press **Reset** at any time during programming to cancel the last keystroke.

Press **Prog** at any time during programming to exit programming and switch the panel back to the **OFF** mode.

1. **Installer Code** (4 digits — 9999 is Default Setting).
Press **1**, enter a new 4 digit **Installer Code**, press **Conf**.
2. **Entry Time** (1-99 seconds. 30 seconds is Default Setting).
Press **2**, enter 2 digits. e.g. 20 for 20 second **Entry Delay**, Press **Conf**.
3. **Exit Time** (1-99 seconds. 30 seconds is Default Setting).
Press **3**, enter 2 digits. e.g. 15 for 15 second **Exit Delay**, Press **Conf**.
4. **Bell/Siren Active Time** (1-20 minutes. 4 minutes is Default Setting).
Press **4**, enter **2 digits**. e.g. 05 for 5 minutes **Active Time**, Press **Conf**.
5. **Zone Types**
Default Setting is:
 - Zone 1 **Entry/Exit zone**,
 - Zone 2 – 4 **Intermediate zone**,
 - Zone 5 – 7 **Instant zone**,
 - Zone 8 **24H/Fire zone**.Press **5**, **Zone LED 1 – 8** will be lit or unlit.
For **Zones 1 – 4**, enter the corresponding number keys **1 – 4**. The corresponding **Zone LED** will toggle **ON/OFF**:
 - **ON** indicates the Zone has been selected as an **Entry/Exit Zone**.
 - **OFF** indicates the Zone has been selected as an **Intermediate Zone**.For **Zones 5 – 8** enter the corresponding number keys **5 – 8**. The corresponding **Zone LED** will toggle **ON/OFF**:
 - **ON** indicates the Zone has been selected as an **Instant Zone**.
 - **OFF** indicates the Zone has been selected as a **24H/Fire Zone**.After making your selection press **Conf**
6. **Walk Test** — Can only be done after transmitters have been learnt to the System (**Section 7 below**).
Press **6**. **The Eight Zone LEDs** will start flashing.
Trigger a sensor.
The panel will "**Double Beep**" to indicate a zone has — activated and the corresponding zone **LED** will extinguish. If the panel gives four beeps and no zone **LED** extinguishes, it means that sensor has not been programmed into the system.
7. **Transmitter Self Learn** (Default Setting is that the memory is empty — no transmitters learnt to system).
 - Press **7**. **The Zone LED** will start flashing.
 - To learn a remote to the system, press **0**.
 - **The Zone LED** goes out.
 - Now press any button on your remote control (except **SOS**) to create a transmission.
 - A **Double beep** indicates the remote has been learnt successfully.

You are now back in the **Installer general programming mode**. Press **7** again to re-enter the code learning section and repeat this process for all other remote controls. 'f

To learn all **sensors**, press **7** to enter the code learning section.

Now press a key **1 – 8** corresponding to the zone you want that sensor to operate on. The **LED** of that zone will remain lit. Trigger the sensor to create a transmission. The panel will **Beep Twice** if the transmitter has been learnt successfully and beep **four times** for a **reject**. You are now back in the general programming mode. Press **7** again to re-enter the code learning section and repeat this process for all other sensors.

As many sensors as you wish can be learnt to the same zone provided that the total number of wireless sensors and remote controls in the system does not exceed **50**.

8. **Double Knock** (Default Setting — no zone selected)
Press **8**, enter the corresponding number key **1 – 8** for those zones you wish to operate as **Double Knock zones** (Two separate activations required in that zone within a 30 second period before the zone will activate). The corresponding zone **LED** will toggle **ON/OFF**.
Press **Conf** to confirm selection.
 - **ON** means the zone is a Double knock zone
 - **OFF** means the zone is **NOT** a Double knock zone.

N.B.

Exit/Entry and 24H/Fire Zones cannot be double knock.

Installer Custom Programming Section 9 (Default Setting — All Options are ON)

Enter **Installer Code** [Default 9999] and press **Prog** , then press **9** to enter **Section 9**.

All **8 Zone LED** will illuminate to indicate that that particular custom feature is **ON**.

Press the corresponding number key **1 – 8** to toggle the feature **OFF/ON** as below. Once all your selections are confirmed press **Conf**.

1. **User Permitted to Omit Zones** from a System (Default — User Permitted)
Press **1 – Zone 1 LED** will litn:
 - **ON** for user permitted to **Omit zones**.
 - **OFF** for user **NOT** permitted to **Omit zones**.
2. **Tamper Alarm with/without all Outputs on activation in either Disarm/Part Arm Mode** (Default — Only Internal Speaker and External 16 Ohm Speaker active — no other relay or voltage outputs)
 - Press **3 – Zone 2 LED** will turn:
 - **ON** for partial outputs.
 - **OFF** for all outputs.
3. **Disarm by Remote Control** permitted during **Entry Delay** (Default — Permitted)
Press **3 – Zone 3 LED** will turn:
 - **ON** for Remote Disarm permitted during **Entry Delay**.
 - **OFF** for Remote Disarm **NOT** permitted during **Entry Delay**.
4. **Panic Alarm Activation** can be turned **OFF** by **Remote Control** (Default — NOT allowed)
Press **4 – Zone 4 LED** will turn:
 - **ON** for **OFF** button on **Remote Control** can **NOT** turn **OFF Panic Alarm**.
 - **OFF** for **OFF** button on **Remote Control** can turn **OFF Panic Alarm**.
5. **Anti-Jam Detect Feature Enabled** (Default — Feature Disabled)
Press **5 – Zone 5 LED** will turn:
 - **ON** for Anti-Jam Feature **Disabled**.
 - **OFF** for Anti-Jam Feature **Enabled**.

6. 2 Minute Delay between an Alarm being detected and all Outputs being Activated (Default — No Delay)
Press **6** – **Zone 6 LED** will turn:
 - **ON** for Outputs activated on **Alert without Delay**.
 - **OFF** for Outputs activated on **Alarm after 2 minute Delay**.
7. Silent **Arm/Disarm** in **Part Guard** (Default — Silent).
Press **7** – **Zone 7 LED** will turn:
 - **ON** for **Silent Arm/Disarm** in **Part Guard**.
 - **OFF** for **Audible Arm/Disarm** in **Part Guard**.
8. **Cross Zone Detect** (2 Different Zones must be detected before Alarm Activation. Default — OFF)
Press **8** – **Zone 8 LED** will turn:
 - **ON** for **Cross Zone Detection Feature OFF**.
 - **OFF** for **Cross Zone Detection Feature ON**.

Exit/Entry and **24H/Fire Zones** will continue to operate normally even though **Cross Zone Detect** is selected **ON**.

Installer Custom Programming Section 0 — Delete Transmitters from the System

- Enter **Installer Code** (Default 9999), press **Prog**, then press **0** to enter **Section 0**.
 - To delete all **Remote Controls** from the system, press **0** again.
 - The **PA LED** will turn **ON**.
 - Press **Conf** to confirm deletion.

The panel will **Double Beep Twice** and you will now be back in the general **Installer programming section**.

For all other sensors, press **0** and a zone number key **1 – 8**. The Corresponding **LED** will turn **ON** to indicate transmitters learnt to that zone will be deleted from the system. Press **Conf** to confirm deletion. The panel will **Double Beep Twice** and you will now be back in the general **Installer programming section**. Re-enter **0** to re-enter the transmission delete section and repeat for all other zones you wish to delete the sensors from.

Once all programming has been completed, don't forget to enter **Prog** to exit the programming mode. If the **PART** and **FULL LED** are flashing, then you are still in the programming mode. If only the **AC LED** is lit or **NO LED** is lit (battery power only) you are no longer in the programming mode.

Access Alarm Memory

If an alarm has occurred, then, when the panel is next disarmed, the built-in sounder will give a unique, low warning tone for **2 seconds** and the **Zone LED** (or LED's) nonexpanding to the zones which were activated will flash. Flashing will continue until the Reset Button is pressed or the Panel is re-armed.

The previous 5 alarm events can be accessed when the panel is disarmed by entering **Master Code** and pressing the **Mem** key. **Zone LED** will flash according to the last event in the following sequence:

Last event – 2 second pause – 2nd last event – 2 second pause – 3rd last event – 2 second pause – 4th last event – 2 second pause – 5th last event

There will then be a 5 second pause and the sequence will start again. The sequence will run 3 times and then axiomatically reset.

Special Panel Functions

Keypad Anti-scan — If four wrong 4 digit codes are entered, then the keypad will lock-out for one minute.

RF Anti-Jam Detect (Selectable **ON/OFF** in *Installer Programming*) — If this feature is selected as **ON** (default **OFF**), then the anti-jam detect will operate in two stages.

Stage 1: If RF (radio frequency) interference is detected for a continuous 30-second period, then the **Tamper LED** will illuminate plus all the **Zone LED** will start flashing.

Stage 2: If RF interference is detected for a continuous 3-minute period, then the alarm will also activate.

Sensor Low Battery — If a sensor has a low battery, then the **LB LED** will illuminate plus the **Zone LED** in which that sensor is located. Press the **Reset** key to stop the LED flashing.

Sensor Tamper — If a sensor has a tamper activation, then the alarm will sound and the **Tamper LED** will illuminate plus the **Zone LED** in which that sensor is located. Enter a 4-digit code to stop the alarm and press **Reset** to extinguish the LED.

Installer Programming Option allows you to select whether you wish just the internal speaker + external speaker to activate on a tamper signal in **Part Guard** or **Disarmed Modes** or whether you wish all panel outputs to activate.

Panel Tamper — If the front panel cover is removed, the alarm will sound. Enter a 4-digit code to stop the alarm and press the **Reset** key to extinguish the **Tamper LED**. The panel cannot be armed until this is done.

Keypad Backlighting — A jumper on the panel pcb selects whether the **Keypad Backlighting** is **ON** or **OFF**. Removal of the jumper means backlighting is **OFF**.

Keypad Beep Volume — This is increased/decreased by rotating the potentiometer on the panel pcb.

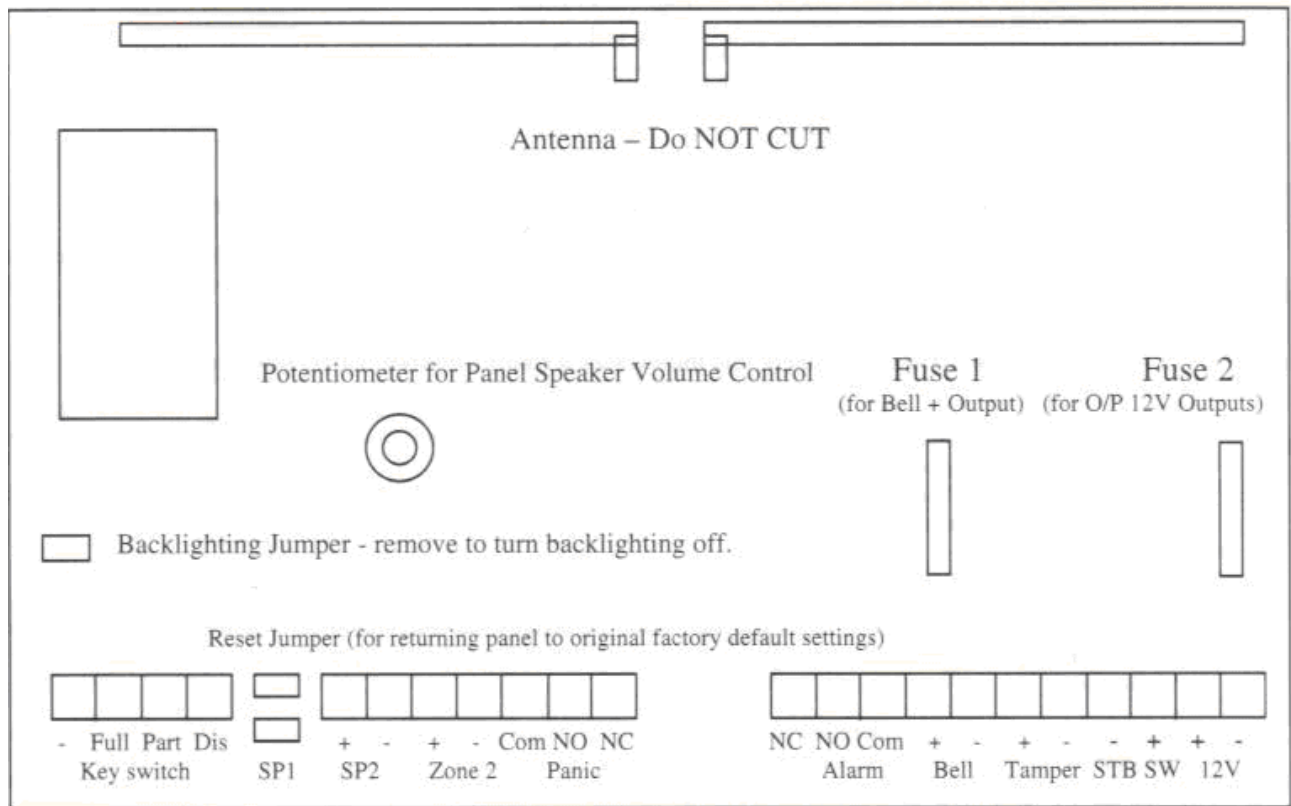
Hardwired Zone — **Zone 2** can also be utilised as a hardwired zone (even if it is already being used as a wireless zone). Remove the link from the two terminals marked **Zone 2** on the panel's terminal block and connect the + and — wires from the sensor. If **Zone 2** is not being used as a hardwired zone, be sure to keep the link in place.

Hardwire the Input/Output Terminal Strip inside the panel

Open the Panel by carefully removing the two plastic lugs on the front cover. Use a Phillips screwdriver to unscrew the two screws behind the lugs. You will need a flat blade screw driver for the terminal block connections

- **Key switch** — Four way connector for key switch or similar with separate momentary trigger inputs for:
 - **Part Guard**,
 - **Full Guard** and
 - **Disarm**.
- **SPI** — 2 way connector to the panel's built-in speaker.
- **SP2** — 2-way connector to an additional 16-Ohm speaker (Panel will support 2 additional 16 Ohm speakers)
- **Zone 2** — 2 wire input for optional hard-wired **Zone 2**. Keep link in place if not used.
- **Panic** — **Normally Open** or **Normally Closed Relay** output activated on **Panic Alarm**.

- **Alarm** — **Normally Open** or **Normally Closed Relay** output activated on **Intruder Alarm Bell** (-) Connect to Bell positive (+) and Bell negative (-).
- **Tamper** — Connect to Bell tamper terminals.
- **STB** — Connect Strobe negative to STB (-) and Strobe positive to 12V (+).
- **SW** — Switched 12V output when panel is Armed. Connect to SW(+) and 12V (-)
- **12V (+) 12V (-)** — Present at these outputs when power is applied to the panel.



Trouble Shooting

The sensors are not activating — Check that the sensor's links are still in the **Walk Test** mode and not the normal operating mode (see sensor manuals for details). Changing this link means both a time delay between transmissions and the sensor **LED** being **ON/OFF**.

The sensors are activating, but no signal is being received at the panel — Check the following:

Have the sensors been programmed into the panel correctly?

Has **Double Knock** been activated? If it has, then two separate activations are required in a zone before an alarm signal is sent.

Has **Cross Zone Detect** been activated. If it has, then two separate zones need to be activated before an alarm signal is sent.

Have you located the sensor too far away from the panel? Move the sensor closer to the panel to check on the maximum range possible (Range will alter from location to location). Move the final position of either the panel or the sensor.

Returning the Panel to its original Factory Default Settings

Disconnect **Mains Power** to the panel. Open the panel and disconnect the **battery** and locate the **Reset Jumper** on the pcb.

Place the jumper across the **Link** to short it.

Power up the panel by either **Battery** (recommended) or **Mains** (Remember to keep the tamper switch pressed down or else the panel will go into tamper alarm). The internal sounder will beep.

Keeping the **Power ON**, remove the jumper from the **Link**. The panel will now revert to factory default settings and Beep Twice to confirm this. Note that the panel's Tamper Alarm will then start to sound. Enter a **User Code** to stop the alarm or immediately disconnect power.

RF 4 Button Remote — ETX008/4

- This **4** key remote is designed to works with KS8000 series alarm panel. It's provided 4 operations are : **OFF, Full Arm, Part Arm, Panic alarm**.
- **Panic Alarm** is triggered by press down the **PA** button together with any one of other buttons.
- Battery replacement, in case of the status **LED** is flashes, please replace the battery with a new high quality battery.

Programming into panel

- Enter Installer Programming mode by Enter **Installer Code**, then press **Prog** key when the panel in **OFF** mode.
- Press **7** to enter **Self learn mode**.
- Enter **0** key for learn a new **Remote** to panel.
- Press a button on **Remote** for a transmission.
- Panel will **Beeps Twice** for success learned.
- Enter **Conf** then **Prog** to switch the panel to **OFF** mode.

RF PIR Tx — EPIR008

This RF PIR Tx is designed to works with KS8000 series alarm panel. Battery replacement, in case of the status LED is flashes in alarm panel, please replace the battery with a new high quality battery. Never try to touch the antenna sensor on PCB and put the battery in correct polarity.

Test the RF PIR Transmitter

- Insert 2 pcs of 1.5V AA batteries, wait the **LED OFF** (Warm up time max 3 min.).
- Press down & release the **Tamper** switch for a transmission.
- The **Status LED** should be activated for **2 sec** while transmitting.

Locating the Detector

- Do not aim the detector at reflective surface such as mirror or windows as this may distort the coverage pattern.
- Do not locate the detector near sources of moisture such as steam avoid or oil. /
- Do not locate the detector in the path of direct or reflected (mirror) sunlight.
- Do not limit the coverage by large obstructions in the detection area. Such as cabinetx or plants.

Test the PIR Coverage

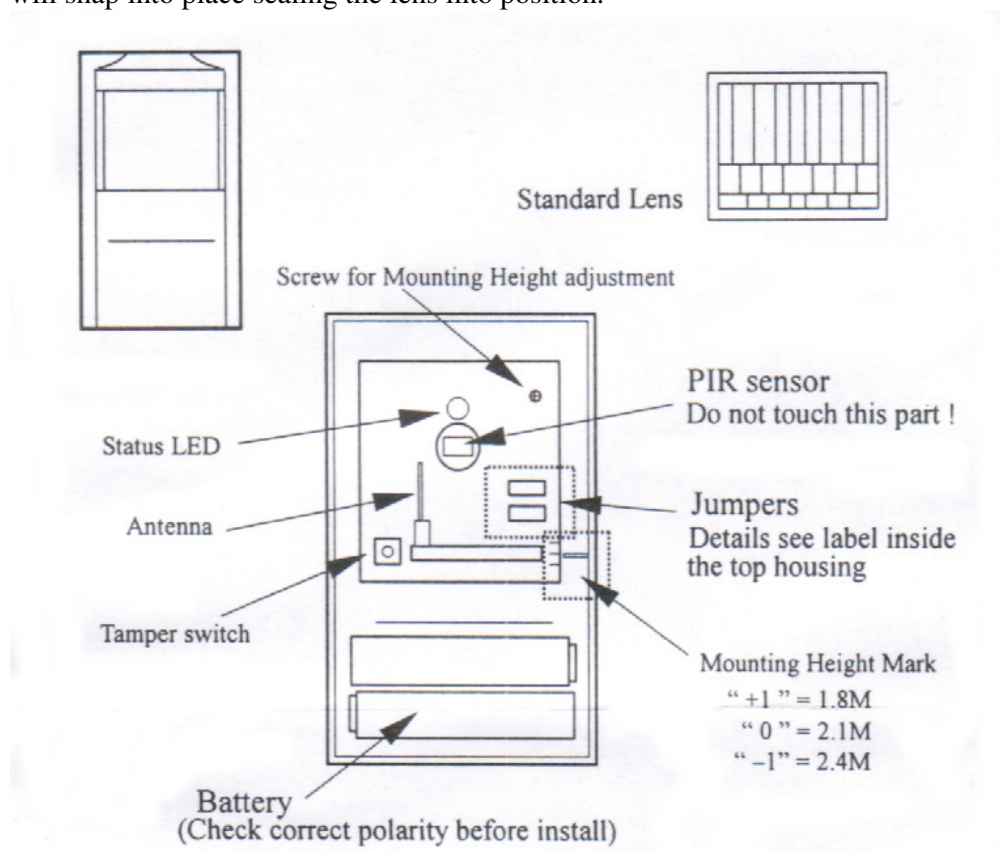
- Temporary mount the Transmitter with double side tape at the mounting location. E.g. 2.1 m above the ground. Open the top casing, wait the **LED OFF**.
- Check the PIR coverage where can cover up the protected area.
- After the location is test & accepted, you may disable the **LED** by set **LED** to **OFF** & mounted both unit with screws, instead of tape.
- After the **LED** jumper set to **OFF**, there will be a 3 min power saving delay after a trigger of PIR.

Programming into panel

- Enter *Installer Programming mode* by enter **Installer Code**, then press **Prog** key when the panel in **OFF**-mode.
- Press **7** to enter Self learn mode.
- Enter a key from **1 – 8** for learn a new Tx to panel. Press and release the **Tamper** switch on Tx for a transmission.
- Panel will **Beeps Twice** for success learned., Enter **Conf'** then **Prog** to switch the panel to **OFF** mode.

Change the lens

The detector comes with a standard lens. To change the lens, release the lower tab and pull the lens holder out. This action releases the lens. Insert with flat surface to outside of housing. The bottom edge of lens is flat. Ensure that the lens is centered and then reattach the lens holder. The lens holder will snap into place sealing the lens into position.



RF Door/Window Tx — EUT008

This **RF Door/Window Tx** is designed to work with KS8000 series alarm panel. There are 2 major parts in this unit, they are: **Transmitter & Magnet**.

Battery replacement, in case of the status **LED** is flashes in alarm panel; Please replace the battery with a new high quality battery. Never try to touch the antenna on PCB and put the battery in correct polarity.

Test the Door/Window Transmitter

- Select the jumper as: **J2 – 4** are closed, **LED** to **ON**, **J5** to **NO**.
- Insert 3 V CR123, wait the **LED OFF**.
- Press down & release the **Tamper** switch for a transmission.
- The Status **LED** should be activated for **2 sec** while transmitting.

Test the Magnet Coverage

- Temporary mount the **Transmitter & Magnet** with double side tape at the mounting location. E.g. Door & door frame
- Open the top casing, wait the **LED OFF**.
- Take the magnet away from the Tx, e.g. door open.
- **Status LED** should be activated for 2 sec in condition of door is close to open. And it do not operated when the door is open to close condition.
- Check the distance between **Tx & Magnet** where just start the activation of LED is correct or not to ensure good detection & less fails trigger.
- After the location is test & accepted, you may disable the **LED** by set **LED** to **OFF** and mounted both unit, with screws, instead of tape.

Programming into panel

- Enter *Installer Programming mode* by enter **Installer Code** then press **Prog** key when the panel in **OFF** mode.
- Press **7** to enter **Self learn mode**.
- Enter a key from **1 to 8** for learn a new Tx to panel. Press & release the **Tamper** switch on Tx for a transmission.
- Panel will **Beeps Twice** for success learned., Enter **Conf** then **Prog** to switch the panel to **OFF** mode.

Connect to external Device (Optional)

Only 3 V operated sensor with normal close or open output device can be connected. The external device can be powered by the battery inside the D/W Tx (3 V with a series resistor of 100 ohm). Select the **J5** (NC or NO) to match the output type of the external device. Trigger the external device for activate the D/W Tx. You may select the pulse on D/W Tx to match the behaviour of your external device.

